

**REMARKS**

This Preliminary Amendment is being filed to incorporate Amendment under PCT Article 34 into the claims. By this Preliminary Amendment, claims 3, 5, 7, 9, 11 and 12 have been amended to modify their respective dependency. No new matter has been added. The original claims are attached hereto as Appendix I. The amended claims (under PCT 34) are attached hereto as Appendix II. Prompt and favorable examination of this application, as amended by this preliminary amendment, is respectfully requested.

If the Examiner has any comments or suggestions that could place this application into even better form, the Examiner is encouraged to contact the Applicant's undersigned representative at the number listed below.

Dated: June 24, 2005

Respectfully submitted,

By 

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Amended Claims (under PCT § 34)

1. (amended) A compressor used in a refrigerating cycle, wherein:

in an area where a bottom surface and an inner circumferential surface of a housing connect with each other, said bottom surface forms an R-shaped portion and said inner circumferential surface forms a sloping portion or an R-shaped portion with the largest diameter of said R-shaped portion at said bottom surface equal to or larger than the internal diameter of said inner circumferential surface of said housing.

2. (amended) A compressor used in a refrigerating cycle wherein:

in an area where a bottom surface and an inner circumferential surface of a housing connect with each other, said bottom surface forms an R-shaped portion and said inner circumferential surface forms a sloping portion or an R-shaped portion with said sloping portion of said inner circumferential surface achieving a substantially circular conic contour connecting the largest diameter portion of said R-shaped portion at said bottom surface and said inner circumferential surface.

3. A compressor according to claim 1 or 2, wherein:

said R-shaped portion at said bottom surface measures in a 2 to 10mm range.

4. (deleted)

5. (amended) A compressor according to claim 1 or 2, wherein:  
at least one of components constituting a housing and internal mechanisms is formed by using a tough material achieving a tensile strength greater than 800 N/mm<sup>2</sup> at normal temperature.
6. A compressor according to claim 5, wherein:  
the tensile strength of said tough material at maximum operating temperature is equal to or greater than 80% of the tensile strength at normal temperature.
7. (amended) A compressor according to claim 5 or 6, wherein:  
said tough material is cast iron.
8. A compressor according to claim 7, wherein:  
said cast iron has undergone an austempering treatment and has a bainitic structure.
9. A compressor according to claim 5 or 6, wherein:  
said tough material is a titanium alloy.
10. A compressor according to claim 9, wherein:  
said titanium alloy has undergone a solution heat treatment and an aging treatment.

11. A compressor according to claim 5 or 6, wherein:  
said tough material is manufactured through casting.
12. A compressor according to claim 5 or 6, wherein:  
said tough material is manufactured through a powder metallurgical method.
13. A compressor according to any of claims 1 through 12, wherein:  
carbon dioxide is used as a coolant.